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STANDARD STRUCTURE SHEETS APPROVED BY THE CHIEF ENGINEER, VERMONT STATE DEPT OF HIGHWAYS

S-40	DEC. 18, 1945
S-41	DEC. 3, 1941
S-46-45	OCT. 6, 1945
S-47-45	OCT. 6, 1945
S-48-46	MAY. 13, 1946

STATE OF VERMONT
STATE HIGHWAY DEPARTMENT

PLAN AND PROFILE OF PROPOSED
STATE HIGHWAY

FEDERAL INTERSTATE PROJECT

TOWN OF DUMMERSTON Pin # 99R254

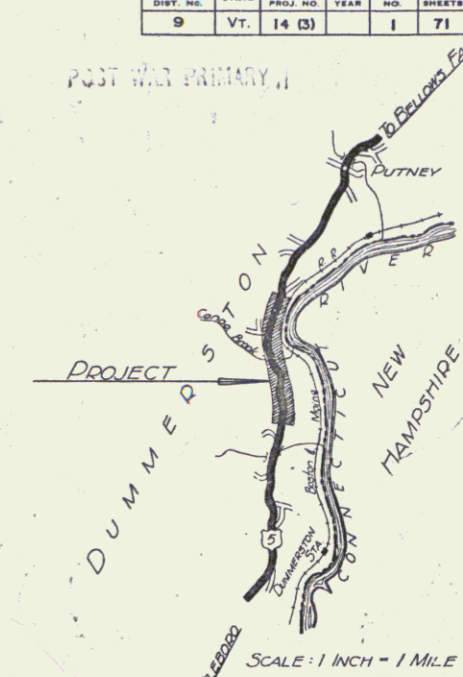
COUNTY OF WINDHAM

BRATTLEBORO-BELLOWS FALLS ROAD

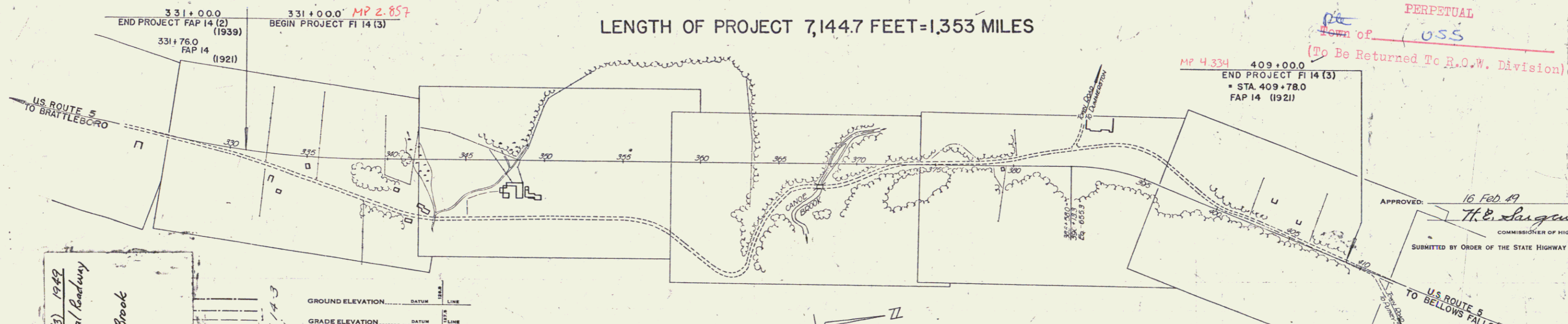
U.S. ROUTE 5

BEGINNING AT A POINT 2,968 MILES NORTHERLY OF THE BRATTLEBORO-DUMMERSTON TOWN LINE AND EXTENDING NORTHERLY 7,144.7 FEET

FED. ROAD DIST. NO.	STATE	F.I. PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
9	Vt.	14 (3)	1	71	



LENGTH OF PROJECT 7,144.7 FEET = 1.353 MILES



DUMMERSTON F.I. 14 (3) 1949
Relocation - New 40' Typical Roadway
US# 5, 812 over Brook
US# 5, 813 over Canoe Brook

CURVE DATA	
DEFLECTION ANGLE	Δ
DEGREE OF CURVE	D.
RADIUS OF CURVE	R.
TANGENT DISTANCE	T.
LENGTH OF CURVE	L.
EXTERNAL DISTANCE	E.
POINT OF INTERSECTION	P. I.
POINT OF CURVE	P. C.
POINT OF TANGENT	P. T.
POINT ON TANGENT	P. O. T.

SCALES	
TITLE	1" = 300'
TYPICAL	1" = 4'
PLAN	1" = 50'
PROFILE HORIZONTAL	1" = 50'
PROFILE VERTICAL	1" = 10'
CROSS SECTIONS	1" = 5' & 10'

RECORD PLANS
Prepared by F. G. Scribner
Resident Engr. Alex Graham

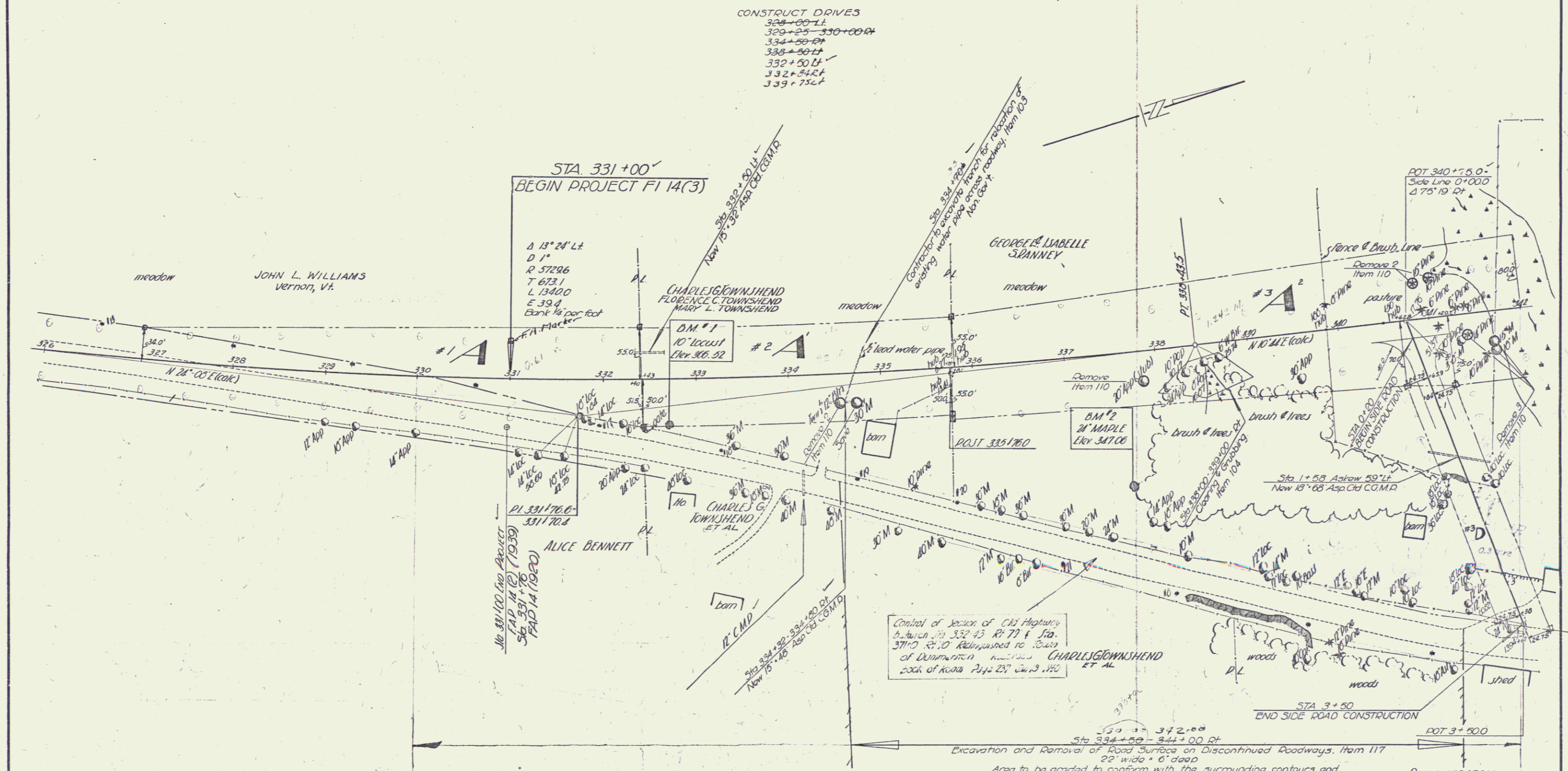
THESE PLANS ARE SUBJECT TO SUCH REVISIONS AS MAY BE REQUIRED BY THE PUBLIC ROADS ADMINISTRATION OR THE COMMISSIONER OF HIGHWAYS.
CONSTRUCTION IS TO BE CARRIED ON IN ACCORDANCE WITH THE PLANS AND THE STANDARD ROAD AND BRIDGE SPECIFICATIONS OF 1948.
INCLUDING ALL SUBSEQUENT APPROVED REVISIONS AND SUCH REVISED SPECIFICATIONS AND SPECIAL PROVISIONS AS ARE SUBMITTED WITH THE PLANS.

APPROVED 14 Feb 49 Highway Engineer
APPROVED 16 Feb 49 District Highway Commissioner
SERIES F.I. No. 14 (3) FILED
SHEET (1) OF 71

PARCEL	INSTRUMENT	DATE	GRANTOR	GRANTEE	RECORDED DUMMERSTON BOOK PAGE DATE	REMARKS
#1 A	W.D.O.E.	4-6-49	JOHN L. WILLIAMS	ST OF VT.	33 191 1-9-49	
#2 A		4-7-49	CHARLES G. FLORENCE & MARY L. TOWNSEND		195-196 4-12-49	
#3 A		3-29-49	GEORGE E. & ISABELLE S. RANNEY	T.M. OF DUMMERSTON	487-489 4-1-49	#3 B/C ON SHEET 18
#3 A		3-29-49			489-490	

POST WAR PRIMARY
14(3) 12 71

CONSTRUCT DRIVES
328+00 LL
329+25-330+00 Rt
334+50 Rt
338+50 Lt
332+50 Lt
332+54 Rt
339+75 Lt



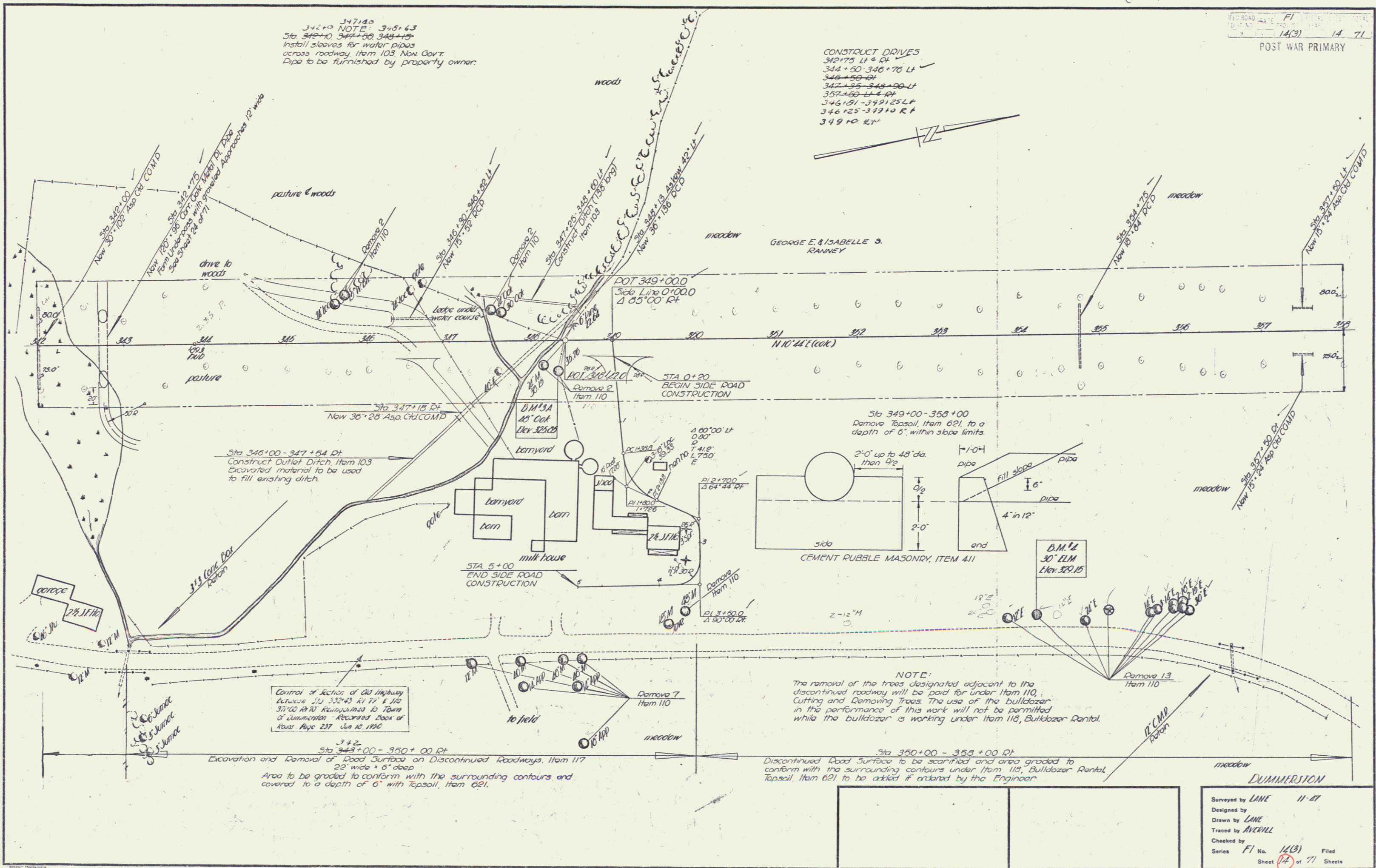
Control of Section of Old Highway between Sta 332+45 R+77 & Sta 371+0 R+10 Relinquished to Town of Dummerston by CHARLES G. TOWNSEND ET AL back of Roadway 25' wide 3.125

Excavation and Removal of Road Surface on Discontinued Roadways, Item 117
Sta 334+00-344+00 Rt
Area to be graded to conform with the surrounding contours and covered to a depth of 6" with Topsoil, Item 621.

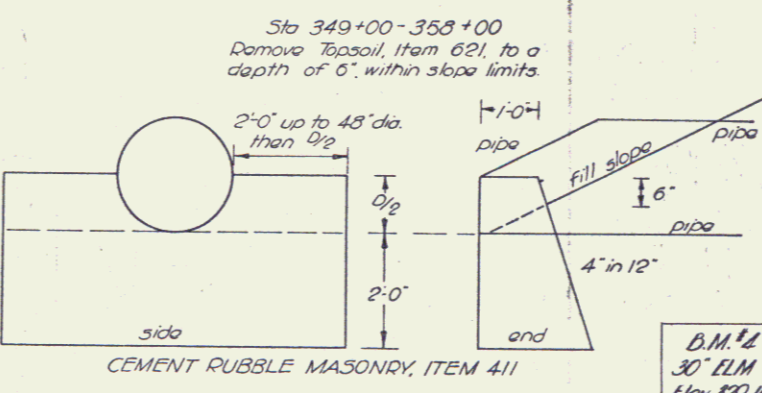
DUMMERSTON
Surveyed by LANE 11-47
Designed by
Drawn by LANE
Traced by AVEBILL
Checked by
Series FI No. 14(3) Filed
Sheet 12 of 71 Sheets

347140
 342+10 NOTE: 348+63
 Sta 342+10 347+00 348+15
 Install sleeves for water pipes
 across roadway from 103. Non Govt.
 Pipe to be furnished by property owner.

CONSTRUCT DRIVES
 342+75 Lt & Rt
 344+50-346+70 Lt
 348+50-40
 342+25-348+00 Lt
 357+25-Lt-40
 346+01-349+25 Lt
 346+25-349+10 Rt
 349+10 Rt



Sta 345+00 - 347+54 Df
 Construct Outlet Ditch Item 103
 Excavated material to be used
 to fill existing ditch.



NOTE:
 The removal of the trees designated adjacent to the
 discontinued roadway will be paid for under Item 110.
 Cutting and Removing Trees. The use of the bulldozer
 in the performance of this work will not be permitted
 while the bulldozer is working under Item 110, Bulldozer Rental.

Control of Section of Old Highway
 between 1/2 332+43 Rt 77' E 1/2
 37+00 Rt 70' Right of Way to Town
 of Dummerston Recorded Book of
 Aboard Page 237 Jan 16 1936

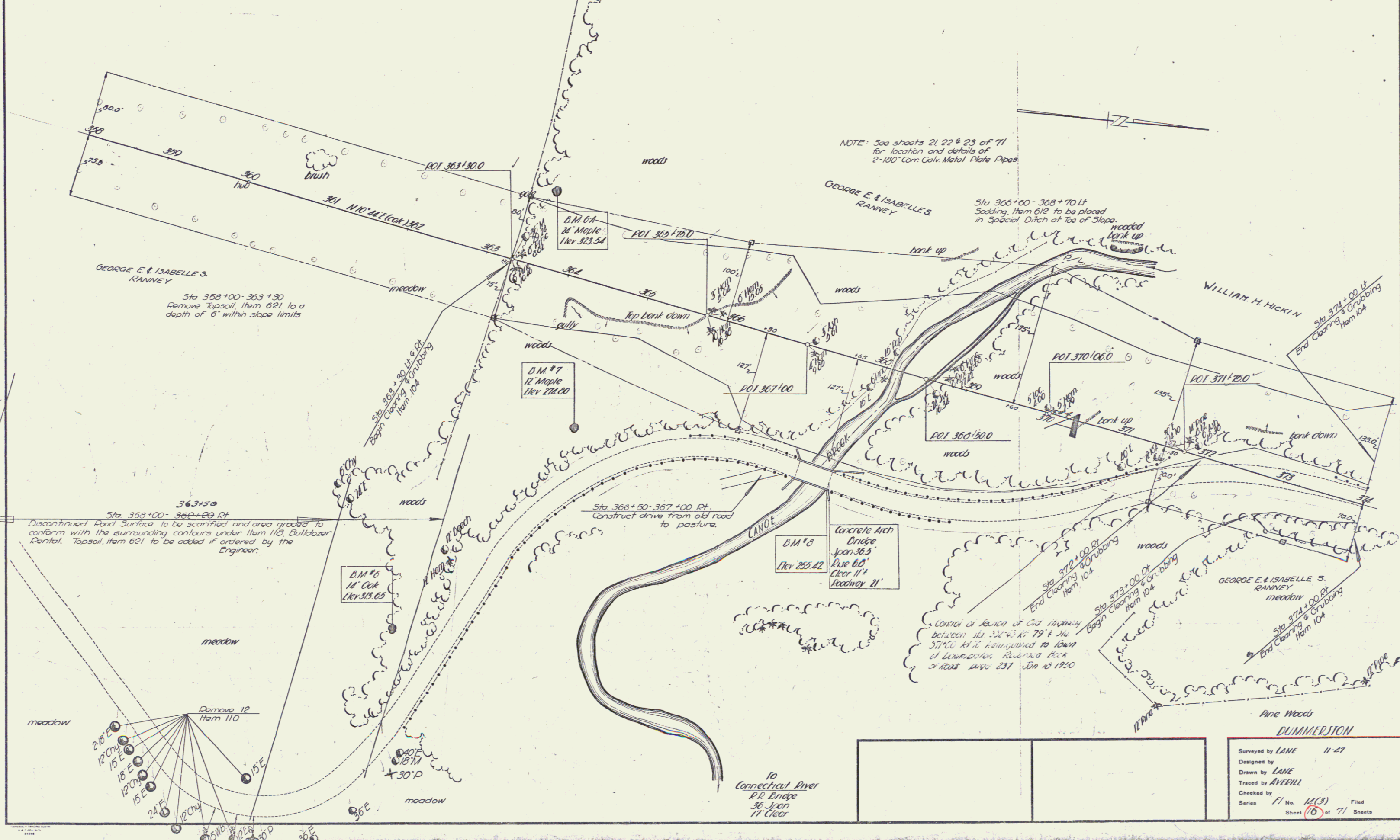
342
 Sta 343+00 - 350+00 Df
 Excavation and Removal of Road Surface on Discontinued Roadways, Item 117
 25' wide x 6\"/>

Sta 350+00 - 359+00 Df
 Discontinued Road Surface to be scarified and area graded to
 conform with the surrounding contours under Item 113, Bulldozer Rental,
 Topsoil, Item 621 to be added if ordered by the Engineer.

DUMMERSTON
 Surveyed by LANE 11-47
 Designed by LANE
 Drawn by LANE
 Traced by AVERILL
 Checked by
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 Sheet 14 of 71 Sheets

PARCEL	INSTRUMENT	DATE	GRANTOR	GRANTEE	RECORDED	REMARKS
#4	ABCD	W.D.O.E.	4-5-49	WILLIAM H. HICKIN	ST. OF VT.	
					DUMMERSTON	
					BOOK	
					PAGE	
					DATE	
					4-9-49	
					#4 B+C ON SH. 18 - #4 D+E ON SH. 20	

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Sta 358+00-366+00 Rt
 Discontinued Road Surface to be scarified and area graded to conform with the surrounding contours under Item 112, Bulldozer Rental. Topsoil, Item 021 to be added if ordered by the Engineer.

NOTE: See sheets 21, 22 & 23 of 71 for location and details of 2-180\" Cor. Galv. Metal Plank Pipes

Sta 366+60-368+70 Lt
 Sodding, Item 012 to be placed in Special Ditch at top of Slope.

Control of Section of Old Highway between Sta 352+00 to 79+00 Sta 377+00 to be relinquished to Board of Dummerston Roads & Highways June 231 Jun 13 1950

Remove 12 Item 110

10 Connecticut River R.R. Bridge 36 Span 17' Clear

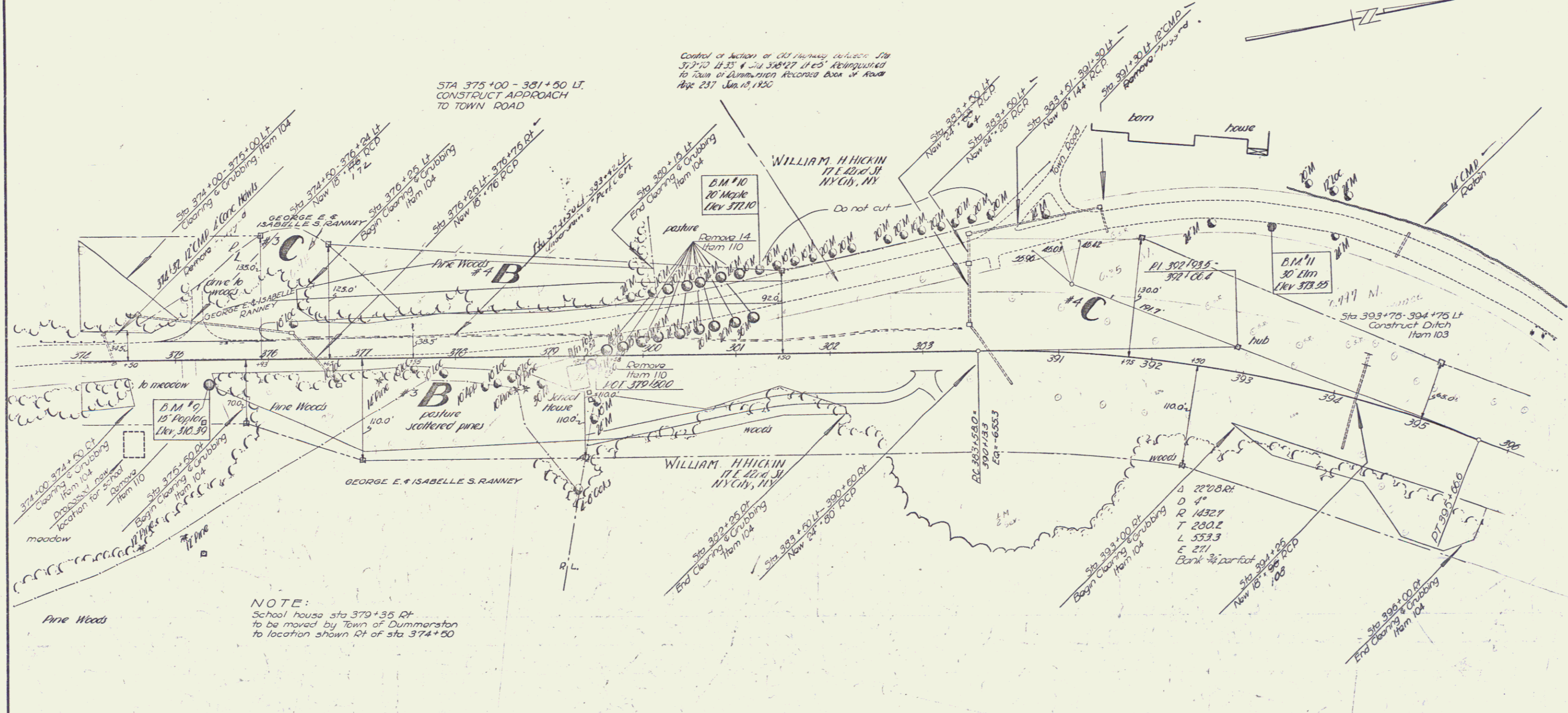
DUMMERSTON
 Surveyed by LANE 11-27
 Designed by LANE
 Drawn by LANE
 Traced by AVERILL
 Checked by
 Series F1 No. 14(3) Filed
 Sheet 16 of 71 Sheets

PARCEL	INSTRUMENT	DATE	GRANTOR	GRANTEE	RECORDED DUMMERSTON BOOK	PAGE	DATE	REMARKS	CONSTRUCT DRIVES
#28 & C	W.D.O.E.	3-29-49	GEORGE E. ISABELLE S. RANNEY	STORVIT	33	487-489	4-1-49	#3A ON SH 12	375+10 LT
#3 D & C	X	4-5-49	WILLIAM HICKIN			492-494	4-9-49	#4A ON SH. 16-14 D'EMON	375+15 RT
SCHOOL HOUSE	Q.C.D.	5-31-49	TOWN OF DUMMERSTON			499	5-31-49		379+50 - 383+00 RT

391+58
Sta 392+00±
Install 6" iron pipe for barn drain.
under fill, Item 103, New Govt.
Pipe to be furnished by Property Owner.
Exact location to be determined in field.

382+60
Sta 393+00±
Install 6" iron pipe for house sewer.
under fill, Item 103, New Govt.
Pipe to be furnished by Property Owner.
Exact location to be determined in field.

POST WAR-PRIMARY



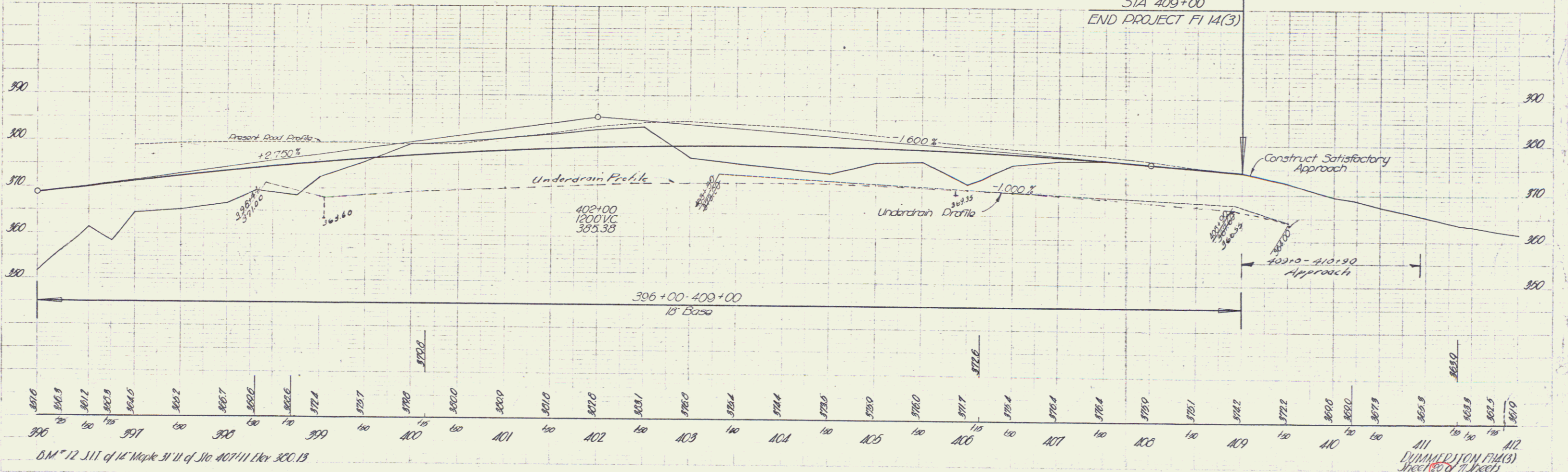
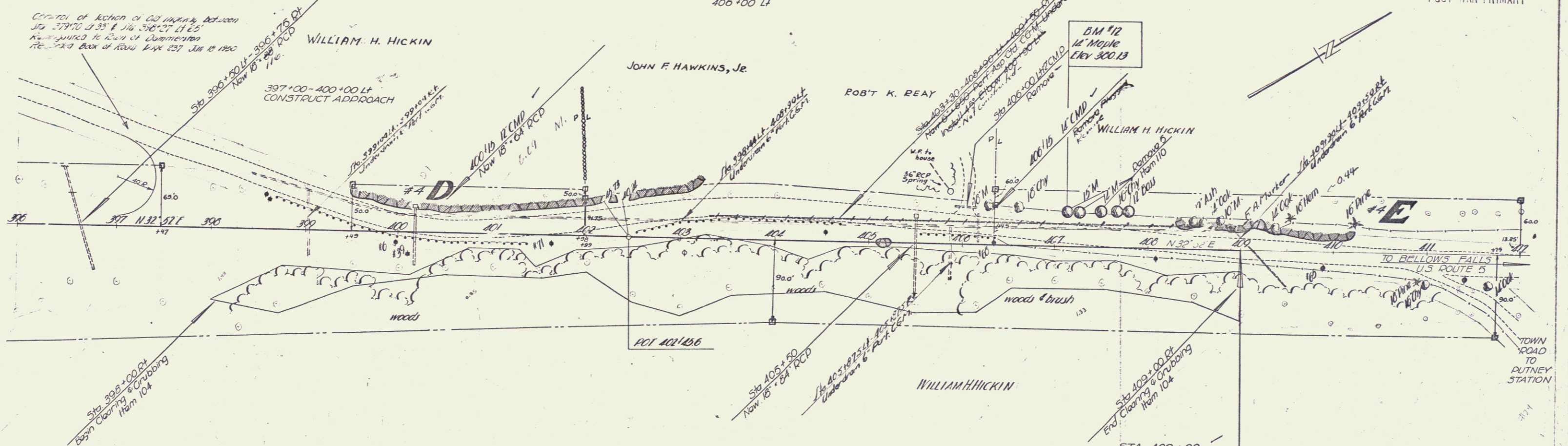
NOTE:
School house sta 379+35 RT
to be moved by Town of Dummerston
to location shown RT of sta 374+50

DUMMERSTON

Surveyed by	LANE	11 47
Designed by	LANE	
Drawn by	LANE	
Traced by	AVRILL	
Checked by		
Series	F1	No. 14(3) of 71
Sheet	15	of 71

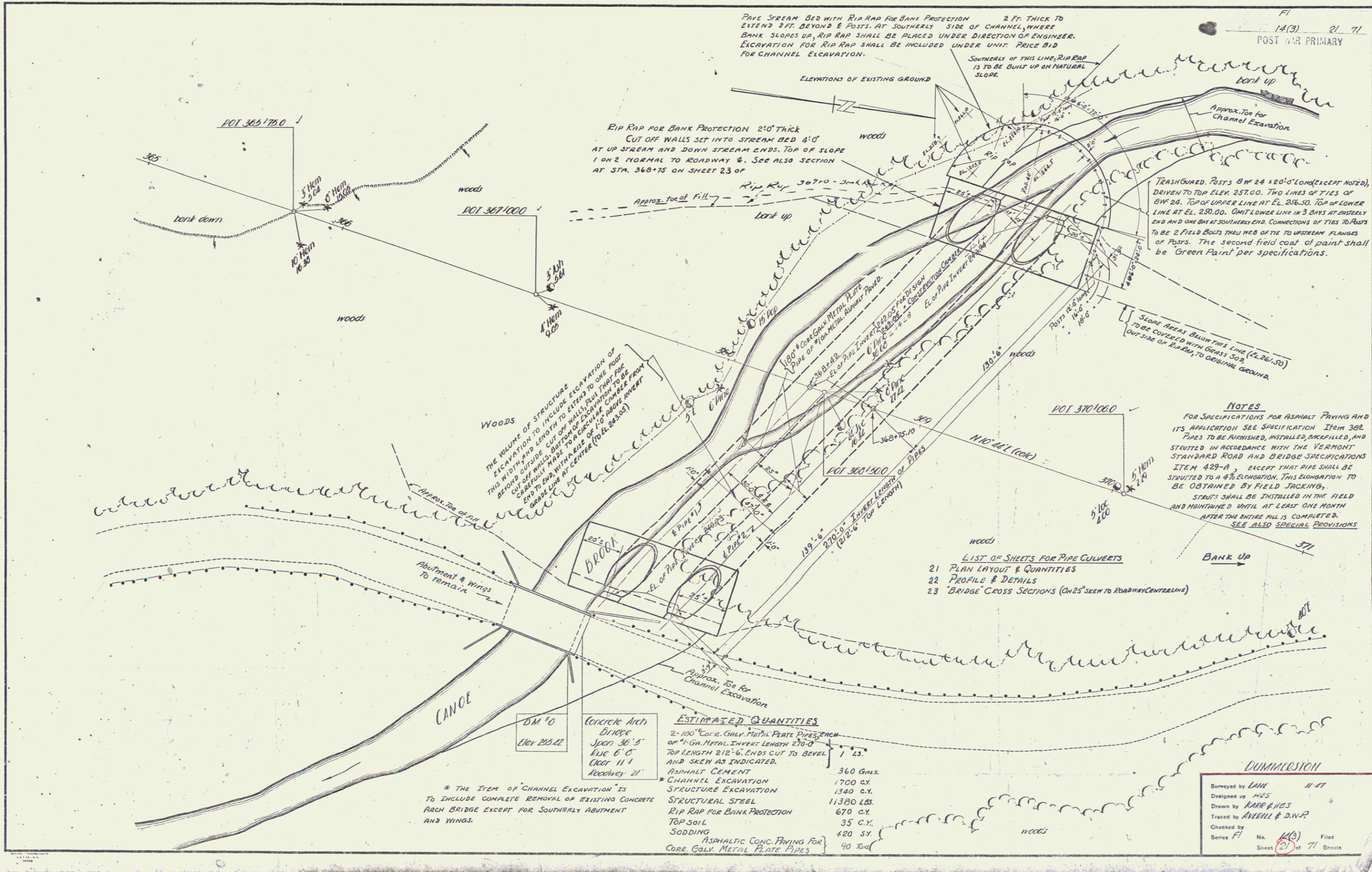
PARCEL	INSTRUMENT	DATE	GRANTOR	GRANTEE	RECORDED	REMARKS	CONSTRUCT DRIVES	
#					BOOK	PAGE		
#4D+E	W.D.O.E.	4-5-49	WILLIAM H. HICKIN	ST. OF VT.	33	492-494	4-9-49	#4AON 34.16 - #4BVC-34.1400+20-401+20 RT 406+00 LT

F1
 14(3)
 20
 71
 POST WAR PRIMARY



BM #12 311 of 14 Maple St. W. of Jct. 407th. Elev. 300.13

111
 DUMMERSTON FIA(3)
 Sheet 10 of 11



Pave Stream Bed with Rip Rap for Bank Protection 2 Ft. Thick to extend 2 ft. beyond posts. At southerly side of channel, where bank slopes up, rip rap shall be placed under direction of engineer. Excavation for rip rap shall be included under unit price bid for channel excavation.

Rip Rap for Bank Protection 2'0" thick
Cut off walls set into stream bed 4'0"
at up stream and down stream ends. Top of slope
1 on 2 normal to roadway &. See also section
at STA. 368+75 on sheet 23 of

TRASH GUARD POSTS 2 1/2" x 20'0" LONG (EXCEPT NOTED),
DRIVEN TO TOP ELEV. 2570.0. TWO LINES OF TIES OF
BW 24. TOP OF UPPER LINE AT EL. 256.50, TOP OF LOWER
LINE AT EL. 250.00. ONE LOWER LINE IN 3 BAYS AT INSTANT
END AND ONE BAY AT SOUTHERLY END. CONNECTIONS OF TIES TO ABUTTS
TO BE 2 FIELD BOLTS THRU WEB OF TIE TO UPSTREAM FLANGES
OF POSTS. THE SECOND FIELD COAT OF PAINT SHALL
BE 'GREEN PAINT' PER SPECIFICATIONS.

WOODS
THE VOLUME OF STRUCTURE
EXCAVATION TO INCLUDE EXCAVATION OF
THIS WIDTH AND LENGTH TO EXTEND TO ONE FOOT
BEYOND OUTSIDE CUT OFF WALLS PLUS THAT FOR
CUT OFF WALLS. ALSO TO INCLUDE EXCAVATION TO BE FROM
CUT OFF WALLS MADE TO A CURVE RADIUS OF 10' ABOVE INVERT
END TO END WITH A RATE OF 10' ABOVE INVERT
GRADE LINE AT CENTER (TO EL. 243.50)

NOTES
FOR SPECIFICATIONS FOR ASPHALT PAVING AND
ITS APPLICATION SEE SPECIFICATION ITEM 302.
PIPES TO BE FURNISHED, INSTALLED, BACKFILLED, AND
STARTED IN ACCORDANCE WITH THE VERMONT
STANDARD ROAD AND BRIDGE SPECIFICATIONS
ITEM 429-A EXCEPT THAT PIPE SHALL BE
STATED TO A 4% ELEVATION. THIS ELEVATION TO
BE OBTAINED BY FIELD JACKING.
SCAFFS SHALL BE INSTALLED IN THE FIELD
AND MAINTAINED UNTIL AT LEAST ONE MONTH
AFTER THE ENTIRE PILL IS COMPLETED.
SEE ALSO SPECIAL PROVISIONS

- LIST OF SHEETS FOR PIPE CULVERTS
21 PLAN LAYOUT & QUANTITIES
22 PROFILE & DETAILS
23 'BRIDGE' CROSS SECTIONS (ON 25' SKEN TO ROADWAY CENTERLINE)

ESTIMATED QUANTITIES

2-180# CORR. GALV. METAL PLATE PIPES, EACH	1 LS.
OR 1-GALV. METAL INVERT LENGTH 270'-0"	
TOP LENGTH 212'-6", ENDS CUT TO BEVEL	
AND SKEN AS INDICATED.	
ASPHALT CEMENT	360 GALS.
CHANNEL EXCAVATION	1700 C.Y.
STRUCTURE EXCAVATION	1340 C.Y.
STRUCTURAL STEEL	11380 LBS.
RIP RAP FOR BANK PROTECTION	670 C.Y.
TOP SOIL	35 C.Y.
SODDING	420 S.Y.
ASPHALTIC CONC. PAVING FOR	
CORR. GALV. METAL PLATE PIPES	90 TON

* THE ITEM OF CHANNEL EXCAVATION IS
TO INCLUDE COMPLETE REMOVAL OF EXISTING CONCRETE
ARCH BRIDGE EXCEPT FOR SOUTHERLY ABUTMENT
AND WINGS.

DUMMERSTON

Surveyed by LAM 11-47
Designed by HES
Drawn by KARR & HES
Traced by AVERILL & D.W.P.
Checked by
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Sheet 21 of 71 Sheets